Bruhath Bangalore Mahanagara Palike Dasarahalli Zone

Name of Work: Detailed Estimated for Repairs of Culverts in Ward No-13 in Shettyhalli Sub Division.

Est .Cost Rs 20.00 Lakhs

Sl No	Description of Items	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300-2: Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications. MORTH/ Chapter 3. Page No. 142/ Item No. 19.2/ PWD SR 2016-17								
		Cum	32	6.20	1.50	1.40	416.64		
							416.64	119.78	**49905.00**
	Basic Rate	113.00							
	Area Weightage 6%	6.78							
	Total	**119.78**							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of mix M10 with OPC cement @ 220 kgs, using 40mm and down size graded granite metal coarse aggregates @ 0.892cum and fine aggregate @ 0.465cum machine mixed, concrete laid in layers not exceeding 15cms. Thick, well compacted, in foundation and plinth, cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS : 4.1, 4.2, Page No.12/ Item No. 4.2/ PWD SR 2016-17								
		Cum	32	6.20	1.50	0.23	68.45		
							68.45	5348.76	**366112.00**
	Basic Rate	5,046.00							
	Area Weightage 6%	302.76							
	Total	**5,348.76**							
3	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17								
		Cum	2x32	6.20	0.45	0.70	124.99		
							124.99	5305.30	**663120.00**
	Basic Rate	5,005.00							
	Area Weightage 6%	300.30							
	Total	**5,305.30**							

	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with with 20mm and down size graded granite metal, coarse aggregate @ 0.69 cum and fine aggregates @ .460cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafairmed -2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings,pedastals,retaining walls, staircase, retaining walls, return walls, walls (any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, bed blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.5 ,P.13/I.4.11/ PWD SR 2016-17								
	Coping	Cum	2x32	6.20	0.45	0.10	17.86		
	Covering		32	6.20	1.20	0.23	54.76		
	Bottom		32	6.20	0.60	0.10	11.90		
							84.52	6371.66	**538523.00**
	Basic Rate	6011.00							
	Area Weightage 6%	360.66							
	Total	**6371.66**							
5	KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3, TMT bars Fe 500. Page No. 17/ Item No. 4.46.2/ PWD SR 2016-17								
		Tonn		54.76	x	85kgs	4654.46		
							4.65		
							say		
							4.65	59413.00	**276536.00**
	Basic Rate	56050.00							
	Area Weightage 6%	3,363.00							
	Total	**59413.00**							
6	KSRB 4-6.9: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walss at any thickness,including attached pilasters,buttresses, plinth and string courses cost of all materials, labour complete as per specification. Specification No. KSRB 4.6.9. exceeding 1m in depth. Page No. 15/ Item No. 4.31/ PWD SR 2016-17								
		Sqm	32	6.20	1.20		238.08		
							238.08	310.58	**73943.00**
	Basic Rate	293.00							
	Area Weightage @ 6%	17.58							

		310.58							
	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 10 Km a)Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 ..... Rs. 2.00 Tonne/Km b)Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c)Add loading and unloading Item No. 17.1 KSRRB M 100-1 Rs. 62.20 (P.134, I.no.17.1/1, PWD SR 2016-17)								
	Qty Vide Item No=1	Cum					**416.64**		
	Qty Limited to						**416.64**	74.40	**30998.00**
	Basic Rate (Rs.2.5 x 1.28 x 2 kms)	6.40							
	Loading and Unloading Charges	68.00							
		74.40							
8	Miscellaneous and unforseen Charges								**863.00**
								Total	**2000000.00**
	(RupeesTwenty Lakhs Only)								

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the PWD SR 2016-17
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward No-13

Asst Executive Engineer
Shettyhalli Sub-Division
BBMP

Executive Engineer
Dasarahalli Zone
BBMP

ನಂ. CE|D2|AE|49 |16-17 ದಿನಾಂಕ : 09|01|2017
ರೂ. ಇಪ್ಪತ್ತು ಲಕ್ಷಗಳು ಮಾತ್ರ /-
Rs. Twenty lakhs only/- ಗಳ
ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ.
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು.

ನಂ. CE|DD|TS|78|16-17 ದಿನಾಂಕ :
ರೂ. Twenty lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ
ಕಾರ್ಯನಿರ್ವಾಹಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ರಸ್ತೆ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬೆಂಗಳೂರು

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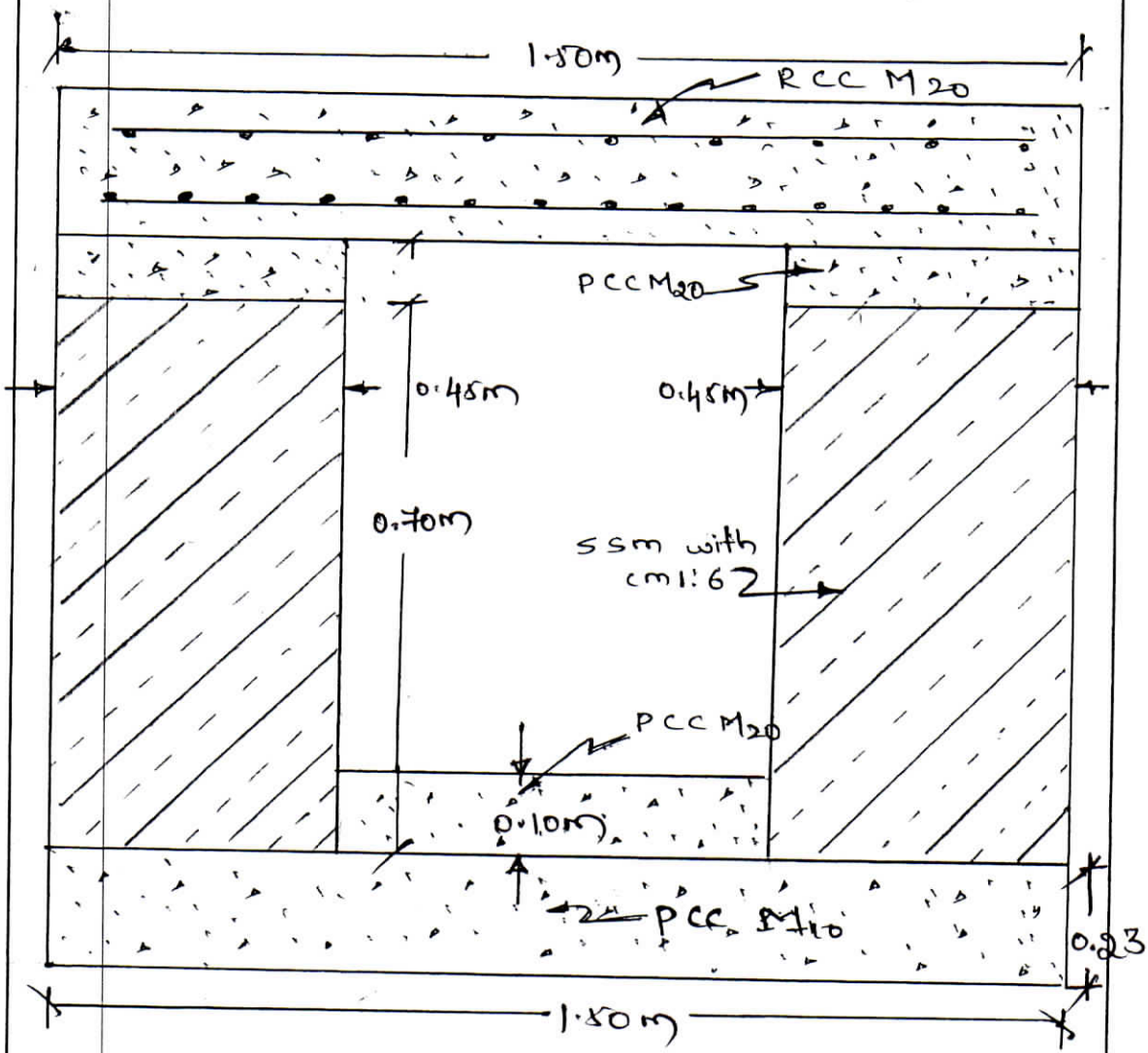
Name of Work :- Repairs of culvert's in ward no - 13 of shettyhalli sub division.



c/s of culvert.

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಶೆಟ್ಟಿಹಳ್ಳಿ ಉಪವಿಭಾಗ, ದಾಸರಹಳ್ಳಿ ವಲಯ
ಬೃಹತ್ ಬೆಂಗಳೂರು ಮಹಾನಗರ ಪಾಲಿಕೆ
ಬಿಎಸ್.ಎಂ. ರಸ್ತೆ, ರವೀಂದ್ರನಗರ, ಬೆಂಗಳೂರು